

For Research Use Only

CoraLite® Plus 488-conjugated CD13 Polyclonal antibody



Catalog Number: **CL488-14553**

Basic Information

Catalog Number: CL488-14553	GenBank Accession Number: BC058928	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 290	Recommended Dilutions: IF-P 1:50-1:500
Source: Rabbit	ENSEMBL Gene ID: ENSG00000166825	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG	UNIPROT ID: P15144	
Immunogen Catalog Number: AG5976	Full Name: alanyl (membrane) aminopeptidase	
	Calculated MW: 110 kDa	

Applications

Tested Applications: IF	Positive Controls: IF-P : mouse kidney tissue,
Species Specificity: human, mouse, rat	

Background Information

CD13, also named as APN, ANPEP (aminopeptidase N) or PEPN, is a heavily glycosylated, ~150-240 kDa, type-II membrane, expressed by most cells of myeloid origin including monocytes, macrophages, granulocytes, and their hematopoietic precursors. It is also abundantly expressed in the brush border of epithelial cells from renal proximal tubules and small intestine, in prostatic epithelial cells, in bile duct canaliculi, in mast cells, and, in some cases, in fibroblasts and smooth muscle cells. CD13 is a multifunctional protein and plays varying roles in cell migration, cell proliferation, cell differentiation and so on. CD13 participates in angiogenesis generating and modulating angiogenic signals, and can be a marker of angiogenic vessels. CD13 is also a pan-myeloid marker, present on mature granulocytes and monocytes. (PMID: 8805662, 10098327, 18603472, 18097955, 17897790, 17888402, 21339174)

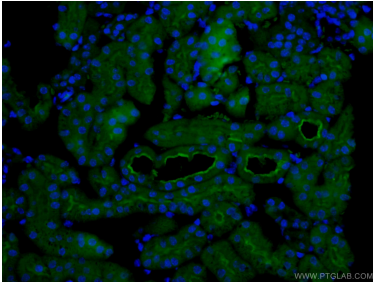
Storage

Storage:
Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

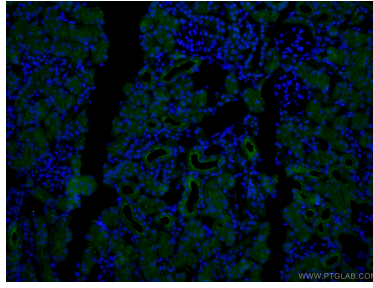
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse kidney tissue using CL488-14553 (CD13 antibody) at dilution of 1:50.



Immunofluorescent analysis of (4% PFA) fixed mouse kidney tissue using CL488-14553 (CD13 antibody) at dilution of 1:50.